

10-23-12

ALGEBRA

EXPRESSIONS

- #s, words, or variables w/ an operation sign(s) ($+$ \times $-$ \div)

- No equal sign

① Numerical Expressions - #s only

Ex: $4 \div 36$

6×1000

② Word Expressions - words only

Ex: four times five

7 times 4

③ Algebraic Expressions - has at least one variable

Ex: $z - 6,000$

$7x$

WORD \leftrightarrow ALGEBRAIC EXPRESSIONS

\oplus
"sum"
"more than"
"added to"
"plus"

\ominus
"difference"
"less than"
"taken from"
"minus"
* ORDER MATTERS!
The 2nd # is the one being
taken away

\otimes
"of"
"product"
"multiplied by"
"times"

\div
"quotient"
"divided by"
* ORDER MATTERS!
The 1st # is the one
being split up

WORDS

15 times a #

6 less than a #

the difference between
3 and a #

7 more than a #

a # decreased by 8

a # taken from 18

the quotient of
45 and a #

ALGEBRAIC

$$15t$$

$$5 - 6$$

$$3 - v$$

$$t + 7 \text{ or } 7 + t$$

$$c - 8$$

$$18 - j$$

$$45 \div r \text{ or } \frac{45}{r}$$